



What Is ETV?

Mission: To accelerate entrance of innovative technologies designed to reduce risks to human health and the environment into the domestic and international marketplace.

Operation: ETV centers operate independently as stakeholder-driven third parties. The EPA provides oversight, review, and approval of center documents.

Established: EPA established the ETV Program in 1995.

Contributions:

- ▶ ETV helps reduce detrimental health and environmental effects from pollutants by encouraging the purchase and use of the most effective control and monitoring technologies available.
- ▶ ETV supports sustainable development by encouraging entrepreneurial efforts while protecting citizens and the environment.
- ▶ ETV creates a forum for industry, technology users, and government to explore environmental technologies.
- ▶ ETV aids EPA and state programs by making available high quality, credible technology performance data.

Stakeholders:

Stakeholders include technology buyers and sellers, permitters, consultants, financiers, exporters, EPA, the public.

Air Pollution Control Technology Center

The Air Pollution Control Technology (APCT) Center, a verification center in the ETV Program, operates as a partnership between EPA and RTI International. The Center involves industry, government, and public stakeholders at all levels of the verification process.

The APCT Center verifies the performance of commercial-ready technologies designed to control stationary and mobile air pollution sources and to mitigate the effects of indoor air pollutants. Control technologies the Center addresses include diesel engine emission controls, baghouse filtration products, nitrogen oxides (NO_x) and volatile organic compound (VOC) control devices, outdoor wood-fired hydronic heaters, dust suppression and soil stabilization products, paint overspray arrestors, and indoor pollution mitigation products.

All testing employs approved protocols or plans that incorporate stakeholder interests, and verified performance is reported in verification reports with statements signed by EPA. RTI International contracts with qualified testing organizations to perform verification tests.

Benefits of APCT Verification

Because it is an independent entity, the APCT Center can assure all those with a stake in new environmental technologies that the verifications performed derive from unbiased testing and that they are credible, of the highest quality, consistent, useful, and widely accepted.

Developer and Vendor Benefits	Provides sound science-based marketing advantage
	Reduces advertising and marketing costs
	Expands markets and business opportunities
	Enhances regulatory acceptance
	Accelerates new or improved technologies into the marketplace
User and Purchaser Benefits	Adds confidence for investors and lenders
	Provides independent, credible performance data
	Allows easier evaluation of competing technologies
	Facilitates permitting process
	Reduces noncompliance risks
Permitter Benefits	Provides access to expertise in performance measurement
	Facilitates permit preparation
	Adds confidence in control system performance
	Improves ability to make informed decisions
Public Benefits	Advances technologies that benefit human health and the environment
	Increases confidence in continuous, effective control of pollutants
	Fosters cooperation between industrial and public interests

Stakeholder Involvement

Stakeholders Advisory Committee

A stakeholders advisory committee (SAC) assists the APCT Center in assessing available commercial-ready technologies and their potential environmental impacts and provides the Center guidance, direction, and assistance in selecting and prioritizing technologies for verification testing. Priorities are set to maximize benefits to the environment and human health and contributions to sustainable development.

The 21 members of the SAC have broad experience in the air pollution control field. Involving representatives from state and local agencies, developers/vendors, buyers/users, environmental associations, consultants, and EPA, the SAC provides the Center with a diversity of opinions and viewpoints concerning air pollution control technologies and their application.

Meetings are open to the public (for meeting minutes, see: <http://epa.gov/etv/ms-apc.html>).

Stakeholder Technical Panels

The APCT Center also convenes technical panels to assist with preparation of verification protocols and to provide advice with respect to performance and testing issues related to a technology. As with the SAC, technical panels include a cross section of stakeholders, and members are selected for their specialized knowledge and interest in the technologies being evaluated.

Center Resources

The APCT Center web site (<http://epa.gov/etv/center-apc.html>) makes information and documentation easily available. Names of members and minutes of SAC and technical panel meetings, verification protocols, test/quality assurance plans, verification reports, verification statements, recent publications, and other relevant documents are available on the web site for viewing or downloading.

The APCT Center database includes contact information for over 900 air pollution control technology developers/vendors and other interested parties. To be added to the database—used to distribute information about meetings, the availability of new documents, and announcements concerning technologies—you may contact the APCT Center.

Steps in the Verification Process

After stakeholders help set technology priorities and develop verification protocols, vendors may apply to the Center for verification testing of their technologies. The verification process follows the general steps below, regardless of the technology area.

1 The vendor submits an application.

2 The Center, the testing organization, and the applicant discuss the intent and scope of the test.

3 The Center develops and the applicant signs a contract.

4 The Center and the testing organization (with input from the applicant) prepare a test/quality assurance plan for Center and EPA approval.

5 The testing organization conducts the test and drafts a report.

6 The Center submits the draft verification report and verification statement for review by EPA and the applicant.

7 EPA approves and signs the verification report and statement.

8 The Center distributes the verification report and statement to the applicant, and EPA posts them on the Center and ETV web sites so they are available to the general public.
See: <http://www.epa.gov/etv/>



For more information about RTI International or the APCT Center:

Access our web site at
<http://epa.gov/etv/center-apc.html>
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